

## ABSTRACT

The invention relates to a combined sensor and heating element (1) which is suitable, in particular, for the seat of a motor vehicle. Said element comprises a sensor mat provided with a heating arrangement. According to the invention, the sensor mat is embodied as a flexible conductor path comprising a carrier film (2) and conductor paths (4) of a sensor arrangement, which are arranged on the surface of the carrier film (2). The heating conductors (3) of the heating conductor arrangement are arranged on the same carrier film surface between and/or near to the conductor paths (4) of the sensor arrangement.